



## UNITED STATES DEPARTMENT OF COMMERCE

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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. |
|-----------------|-------------|----------------------|---------------------|
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09/533,341 03/23/00 CATANIA

A 252/029

022249  
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SUITE 4700  
633 WEST FIFTH STREET  
LOS ANGELES CA 90071-2066

HM12/0713

EXAMINER

PARKIN, J

ART UNIT PAPER NUMBER

1648

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DATE MAILED:

07/13/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

## Office Action Summary

|                                      |   |
|--------------------------------------|---|
| Application No.<br>09/533,341        | Applicant(s)<br>Catania, A. And J. Lipton |
| Examiner<br>Jeffrey S. Parkin, Ph.D. | Art Unit<br>1648                          |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

1)  Responsive to communication(s) filed on 23 Mar 2000

2a)  This action is FINAL. 2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

### Disposition of Claims

4)  Claim(s) 1-14 is/are pending in the application.

4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) \_\_\_\_\_ is/are allowed.

6)  Claim(s) \_\_\_\_\_ is/are rejected.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claims 1-14 are subject to restriction and/or election requirement.

### Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

11)  The proposed drawing correction filed on \_\_\_\_\_ is: a)  approved b)  disapproved.

12)  The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. § 119

13)  Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

a)  All b)  Some\* c)  None of:

1.  Certified copies of the priority documents have been received.

2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_

3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\*See the attached detailed Office action for a list of the certified copies not received.

14)  Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

### Attachment(s)

15)  Notice of References Cited (PTO-892)

18)  Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_

16)  Notice of Draftsperson's Patent Drawing Review (PTO-948)

19)  Notice of Informal Patent Application (PTO-152)

17)  Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_

20)  Other: \_\_\_\_\_

**Restriction Requirement****Restriction**

1. Restriction to one of the following inventions is required under 35 U.S.C. § 121:

- a. Group I, claims 1-12, drawn to a **method of treating HIV infection** through the administration of a **peptide** containing the amino acid sequence **KPV**, classified in class 424, subclass 185.1 and class 530, subclass 300.
- b. Group II, claims 1-6, 8-10, and 12, drawn to a **method of treating HIV infection** through the administration of a **peptide** containing the amino acid sequence **MEHFRWG**, classified in class 424, subclass 185.1 and class 530, subclass 329.
- c. Group III, claims 1-10 and 12, drawn to a **method of treating HIV infection** through the administration of a **peptide** containing the amino acid sequence **HFRWGKPV**, classified in class 424, subclass 185.1 and class 530, subclass 328.
- d. Group IV, claims 1-10 and 12, drawn to a **method of treating HIV infection** through the administration of a **peptide** containing the amino acid sequence **SYSMEHFRWGKPV**, classified in class 424, subclass 185.1 and class 530, subclass 327.
- e. Group V, claim 13, drawn to a **method of treating secondary infections** through the administration of a **peptide** containing the amino acid sequence **KPV**, classified in class 424, subclass 185.1 and class 530, subclass 300.
- f. Group VI, claim 13, drawn to a **method of treating secondary infections** through the administration of a **peptide** containing the amino acid sequence **MEHFRWG**, classified in class 424, subclass 185.1 and class 530, subclass 329.
- g. Group VII, claim 13, drawn to a **method of treating secondary infections** through the administration of a **peptide** containing the amino acid sequence **HFRWGKPV**, classified in class 424, subclass 185.1 and class 530, subclass 328.
- h. Group VIII, claim 13, drawn to a **method of treating secondary infections** through the administration of a **peptide** containing the amino acid sequence **SYSMEHFRWGKPV**, classified in class 424, subclass 185.1 and class 530, subclass 327.
- i. Group IX, claim 14, drawn to a **method of treating inflammation** through the administration of a **peptide** containing the amino acid sequence **KPV**, classified in class 424, subclass 185.1 and class 530, subclass 300.

j. Group X, claim 14, drawn to a **method of treating inflammation** through the administration of a **peptide** containing the amino acid sequence **MEHFRWG**, classified in class 424, subclass 185.1 and class 530, subclass 329.

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k. Group XI, claim 14, drawn to a **method of treating inflammation** through the administration of a **peptide** containing the amino acid sequence **HFRWGKPV**, classified in class 424, subclass 185.1 and class 530, subclass 328.

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l. Group XII, claim 14, drawn to a **method of treating inflammation** through the administration of a **peptide** containing the amino acid sequence **SYSMEHFRWGKPV**, classified in class 424, subclass 185.1 and class 530, subclass 327.

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2. The inventions are distinct, each from the other because of the following reasons:

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3. Inventions I-XII are all unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together, or they have different modes of operation, or they have different functions, or they have different effects (refer to M.P.E.P. ¶s 806.04 and 808.01). In the instant case, each of the identified methods is directed toward a different scientific objective (e.g., the inhibition of HIV infection, the treatment of secondary bacterial and viral infections, and the treatment of inflammatory conditions). Moreover, each of these methodologies employs structurally and functionally independent and distinct peptides (e.g., KPV, MEHFRWG, HFRWGKPV, and SYSMEHFRWGKPV). Moreover, separate searches will be required for each group identified. Therefore, each invention is clearly drawn toward a different inventive entity.

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4. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, requirement for independent searches, and recognized divergent subject matter, restriction for examination purposes as indicated is proper. Applicants are required under 35 U.S.C. § 121 to elect a single group for

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prosecution on the merits. Applicants are also reminded that the claims should be amended, if necessary, to reflect the election.

#### ***Claim Cancellation***

- 5       5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 C.F.R. § 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must  
10      be accompanied by a diligently-filed petition under 37 C.F.R. § 1.48(b) and by the fee required under 37 C.F.R. § 1.17(h).

#### ***Correspondence***

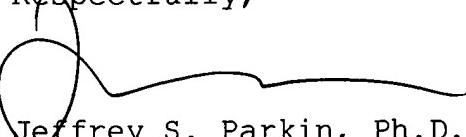
- 15      6. The Art Unit location of your application in the Patent and Trademark Office has changed. To facilitate the correlation of related papers and documents for this application, all future correspondence should be directed to **art unit 1648**.
- 20      7. Correspondence related to this application may be submitted to Group 1600 by facsimile transmission. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). Official communications should be directed toward one of the following Group 1600 fax numbers: (703) 308-4242 or (703) 305-3014. Informal communications may be  
25      submitted directly to the Examiner through the following fax number: (703) 308-4426. Applicants are encouraged to notify the Examiner prior to the submission of such documents to facilitate their expeditious processing and entry.
- 30      8. Any inquiry concerning this communication should be directed to Jeffrey S. Parkin, Ph.D., whose telephone number is (703) 308-2227. The examiner can normally be reached Monday through Thursday from 8:30 AM to 6:00 PM. A message may be left on the examiner's voice mail service. If attempts to reach the examiner are unsuccessful, the examiner's supervisors, James Housel or Laurie Scheiner, can be reached at (703) 308-4027 or (703) 308-1122, respectively. Any  
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Serial No.: 09/533,341

Applicants: Catania, A.P. and J. Lipton

inquiry of a general nature or relating to the status of this application should be directed to the Group 1600 receptionist whose telephone number is (703) 308-0196.

Respectfully,

  
Jeffrey S. Parkin, Ph.D.  
Patent Examiner  
Art Unit 1648

12 July, 2001